

Alex (I. M.) van der Wateren

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Recent PhD graduate looking to apply my skills in literature research, analysis and interpretation and skills in writing and content creation. Areas of interest are medical/health care/science consulting, medical writing and science publishing.

EDUCATION

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|-----------|------------|--|
| 2012-2016 | PhD | Chemistry, University of Cambridge (awarded in July 2017) |
| 2009-2011 | MSc | Medical Biology, University of Amsterdam (7.4 out of 10) |
| 2006-2009 | BSc | BioMedical Sciences, University of Amsterdam (7.2 out of 10) |
| 2005-2006 | - | Bachelor programme in Fashion Design at HKU, Utrecht (no degree) |

SKILLS

IT: MS Office (Word, Excel, Powerpoint, SharePoint Designer, Outlook), LaTeX, GraphPad Prism, Mendeley, EndNote, some experience with KompoZer, Photoshop, ImageJ, InDesign.

Languages: English (fluent), Dutch (native), German (intermediate).

Design: Some skills in illustration, photography, web design and graphic design as displayed by work done for the Cambridge University (CU) Astronomical Society and CU Nanotechnology society.

Customer service: Skilled in customer service through working at a call centre (in-bound and out-bound) for a cable company and a medical billing service; phone operator taking orders for a restaurant; working as a waitress/barista; customer service for online sales.

Writing: Writing, editing and proofreading theses, manuscripts, conference abstracts, reports, posters; tutoring students in academic writing in English whilst a research assistant in Stockholm.

ACADEMIC CAREER

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| Nov. 2016 – Jan. 2017 | Department of Chemistry, University of Cambridge Post-Doctoral Research Assistant under supervision of Prof. Dobson working on Parkinson's Disease, mainly using high resolution microscopy and micro capillaries to study macromolecular protein assemblies. |
| Oct. 2012 – Sept. 2016 | Department of Chemistry, University of Cambridge PhD student under supervision of Prof. Dobson working on molecular origins of Parkinson's Disease using various techniques, mainly: recombinant protein expression and purification, high resolution microscopy, bulk aggregation assays and circular dichroism. |
| April 2012 – June 2012 | Department of Immunology, Wenner-Gren Institute, Stockholm Research assistant in immunology working on Fibromyalgia performing mostly flow cytometry analyses on patient blood cells. |
| Sept. 2011 – March 2012 | Department of Cell Biology, Wenner-Gren Institute, Stockholm Research assistant in cell biology studying the role of a chromatin remodelling complex in alternative splicing using cell culture, ChIP, Western blot, siRNA, PCR. |
| Sept. 2010 – April 2011 | Nuclear Organisation Group, SILS, University of Amsterdam MSc. Student in cell biology studying the role of two proteins in chromatin organisation using techniques such as cell culture, siRNA, Western blot, FISH and 3D confocal microscopy. |
| Nov. 2009 – July 2010 | Department of Medical Biochemistry, AMC, University of Amsterdam MSc. Student in biochemistry/cell biology looking at the role of programmed necrosis and glycosphingolipids in the development of insulin resistance using cell culture, Western blot, WST-1 assay and flow cytometry. |

May 2009 – **Department of Pathology, AMC, University of Amsterdam**
Aug. 2009 **BSc. Student** studying concordance of HER2 status between primary breast cancer and corresponding distant metastases using IHC and CISH on tissue micro arrays.

TEACHING & VOLUNTEERING EXPERIENCE

Aug. 2014 – **Cambridge University Nanotechnology Society**
June 2015 **Committee member** designing and maintaining the website, photographing our events and updating social media.

Aug. 2013 – **Cambridge University Astronomical Society**
June 2014 **Webmaster** maintaining our website, designing several promotional materials, photographing our events and editing/designing our printed newsletter (Neptune).

Nov. 2011 – **Stockholm Student Union**
April 2012 **English tutor** I helped students with academic writing and general conversation skills.

March 2010 **Department of Anatomy and Embryology, AMC, Amsterdam**
Teaching assistant teaching early embryology to undergraduate students combined with a study on student characteristics and test performance.

SPECIALISED COURSES

2013 FEBS-EMBO advanced lecture course: Biomembranes; molecular architecture, dynamics and function, Cargèse, Corsica, FR. [Poster presentation](#)

2011 Postgraduate course 'The 3' end of the gene', Stockholm University, Stockholm, SE.

SELECTION of CONFERENCES/SYMPOSIA

- BBS symposium 'Protein-protein interactions, self-assembly and aggregation', Dec. 15, London, UK.
- Annual 'Centre for Protein Misfolding Diseases' meeting, Nov. 9-11, 2015, Cambridge, UK. [Short talk](#)
- EBSA2015, July 18-22 2015, Dresden, DE. [Short talk + Poster presentation](#)
- Annual 'Centre for Protein Misfolding Diseases' meeting, Nov. 3-4, 2014, Cambridge, UK. [Short talk](#)
- Protein Structure, Protein Evolution, June 2-3 2014, Stockholm, SE.
- Biophysics of Amyloids and Prions, May 25-26 2014, Naples, IT. [Poster presentation](#)
- Annual 'Centre for Protein Misfolding Disease' meeting, Nov. 4-5 2013, Cambridge, UK. [Short talk](#)
- I held a lunch-time seminar at Darwin College in 2013, Cambridge, UK.
- Protein misfolding in disease, April 13-17 2013, Roscoff, FR. [Poster presentation](#)
- Prion 2012, May 9-12 2012, Amsterdam, NL.
- 'Actin and actin-associated proteins, from genes to polysomes', Sept. 7-10 2011, Stockholm, SE.
- Dutch Royal Academy of Sciences biophysics meetings, several in 2010-2011, NL.
- FOM Molecular and Cellular Biophysics, Oct.4-5 2010, Veldhoven, NL. [Poster presentation](#)

AWARDS

- Darwin College conference grant for EBSA2015 (£ 150), 2015.
- EBSA congress bursary for EBSA2015 (€ 400), 2015.
- Boehringer Ingelheim Stiftung conference grant for FEBS-EMBO advanced lecture course: Biomembranes; molecular architecture, dynamics and function (€ 400), 2013.

PUBLICATION

Tark-Dame M, Jerabek H, Manders EMM, **van der Wateren IM**, Heermann DW, van Driel R (2014) Depletion of the Chromatin Looping Proteins CTCF and Cohesin Causes Chromatin Compaction: Insight into Chromatin Folding by Polymer Modelling. PLoS Comput Biol 10(10):e1003877. doi:10.1371/journal.pcbi.1003877

HOBBIES

In my spare time, I enjoy creative/artistic pursuits such as illustration, painting, sculpting, costume design and photography. I like to go out on my road bicycle and go to the gym regularly. I am interested in current affairs and enjoy reading (mostly (popular) science).